

Application No. 10/696,047
Amendment Dated August 1, 2006
Reply to Office Action of May 4, 2006

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for performing a medical procedure on an eye having an iris, comprising ~~the steps of~~:
 - (a) obtaining an iris biometric image representative of said iris; and
 - (b) performing said medical procedure on [an] said eye in accordance with said iris biometric image.
2. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising ~~the further steps of~~:
 - (a) obtaining first and second iris biometric images; and
 - (b) comparing said first and second iris biometric images to provide a biometric comparison result.
3. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 2, further comprising ~~the further step of~~ identifying an eye in accordance with said biometric comparison result.
4. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 2, wherein said eye has at least one feature[s] and said feature[s] are is represented within at least one of said first and second biometric images.

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5. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [3] 4, further comprising ~~the further step of~~ identifying an iris in accordance with said at least one feature[s].
6. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising ~~the further step of~~ performing said medical procedure in accordance with said identification identifying.
7. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising ~~the further step of~~ determining a location of said iris in accordance with said at least one feature[s].
8. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 5, further comprising ~~the further step of~~ determining an orientation of said iris in accordance with said at least one feature[s].
9. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 5, further comprising ~~the further step of~~ determining a translation of said iris in accordance with at least one said feature[s].
10. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 5, further comprising ~~the further step of~~ altering a relative location of said iris in accordance with said at least one feature[s].

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11. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim [7] 4, further comprising ~~the further step of~~ directing a light beam in accordance with said at least one feature[s].
12. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 2, further comprising ~~the further step of~~ optimizing at least one of said first and second iris biometric images to provide an optimized image.
13. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 12, further comprising ~~the further step of~~ providing said optimized image in accordance with an image quality metric.
14. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 13, wherein said eye has a selected feature and said method further comprises comprising ~~the further step of~~ providing said optimized image to emphasize a visualization of said selected feature of said eye.
15. (Currently amended) The method for performing a procedure on an eye having an iris of Claim 12, further comprising performing said comparison of said first and second iris biometric images for identifying a person within a security verification.

Please add the following new claims 16-28.

16. (New) The method for performing a medical procedure on an eye having an iris of Claim 1, further comprising performing a surgical procedure.

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17. (New) The method for performing a medical procedure on an eye having an iris of
Claim 16, further comprising performing an optical biopsy.
18. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, wherein said eye has a feature further comprising measuring the size of said
feature within said eye.
19. (New) The method for performing a medical procedure on an eye having an iris of
Claim 18, wherein said feature comprises a tumor.
20. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, further comprising performing a diagnosis on said eye.
21. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, further comprising:
 - (a) applying a first light beam and a superposition light beam to said eye;
 - (b) reflecting said first light beam and said superposition light beam from said
eye to provide a reflected first light beam and a reflected superposition light
beam; and
 - (c) superimposing said reflected first light beam and said reflected superposition
light beam to provide a composite image.
22. (New) The method for performing a medical procedure on an eye having an iris of
Claim 21, further comprising performing said medical procedure in accordance with
said composite image.

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23. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, further comprising orienting said eye.
24. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, further comprising translating said eye within a coordinate system.
25. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, further comprising correcting an aberration.
26. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, further comprising determining tumor size information.
27. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, further comprising identifying an individual.
28. (New) The method for performing a medical procedure on an eye having an iris of
Claim 1, wherein said feature comprises a lesion.